Modeling the dynamics of networks and continuous behavior

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PROPOSITIONS

accompanying the dissertation

MODELING THE DYNAMICS OF NETWORKS AND CONTINUOUS BEHAVIOR

by

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1. Social networks are especially important in terms of their interdependent dynamics with individual behavior.

2. The similarity of a linear stochastic differential equation model to the linear regression model naturally suggests its potential extensions and limitations. – *Chapter 2*

3. La vie est la somme de tous vos choix. (Life is the sum of all your choices) – *Albert Camus*

4. For users of the RSiena software, the difference between continuous and discrete behavior variables is only one word of code. – *Chapter 4*

5. The current recommendations on standard error estimation for stochastic actor-oriented models do not suffice for models that include parameters that are hard to estimate. – *Chapter 5*

6. Discretization of continuous behavior variables only affects the results of a stochastic actor-oriented model analysis when a coarse discretization scheme is used. – *Chapter 6*

7. Scientists should not aim to study big data, but to answer big questions.

8. All errors are wrong, but some are useful.